Before choosing your tubeless airplane tires, just ask yourself:

Who's on First?

FIRST airplane designed with tubeless tires was GOODYEAR EQUIPPED

FIRST two producton aircraft to use tubeless tires as standard equipment are GOODYEAR EQUIPPED

FIRST Navy fighters to use tubeless tires for carrier operations were GOODYEAR EOUIPPED

FIRST Air Force order for tubeless tires awarded to GOODYEAR

FIRST Helicopter on tubeless tires — GOODYEAR EQUIPPED

FACT IS: of all airplane tubeless tires ordered to date, approximately 74% are Goodyear's.

Any other questions?



Goodyear, Aviation Products Division, Akron 16 Ohio or Los Angeles 54 Celifornie

When it comes to Tubeless Airplane Tires and Tubeless Tire Wheels—it's

GOOD YEAR

Goodypear wheels and brokes have been used exclusively far tubeless tires — for Goodypear wheels and brokes have been each complete package for its tire custamers.



The most sensitive "nose" in the world...

Hadren in the rose of the F100. Correin's ultra- Because of Zenith skill and exclusive producthat protect and made it unerstands to its des-fallands, regardless of temperature, sintude, or face to the symfocoid plants; radome produced. Zeruth activities, is available on request to . . .





You think seg work late . . . get a load of the man from Fafnir!



Wherever assorall compound design are funday figures Cooperating with occoration designers and enexecutly suitable for one on notraction, automatic relate, and other Falur Bearing Company, New Bris-





Lovernge Design is Greatest

sign to empound the inverse, present smalled to the hundles is prepared the hope objects, having four delivered jour

Aviation Week

Nov York 26-120 W 42nd St., Phon: LOngoon 4 2000 (Night LD 4 2022) See Angeles IT-3111 Widow Strd., Phoe MAtion 6-422 Table of Contacts on Page 2 MANN events of the cross proceed

New Edder Times I Soften

Clareland 15 1510 Harrie Bidg Sen Funcion 4

Available Editor Groups Marco Mosco City. John H. Kurney

Sales Resemblations 1 C. Anthony, New York, H. F. Mchanet, Christian, D. T. Erenros and 1 S County, Chicago and St Lows, E. P. Frencherf, In: Forces, Inner Cash, Dallie, William D. Larrow In . Address, T. Evern Worked: Sey Furnisess, C. F. Multi-yould and Gordon Issue, Lor Aaroles, W. S. Henry, Philadelphia, C. A. Kansfell, Depat. Other was affers in Parthush, Lorder

Miraho: ART nat ARC AND THE PARTY OF T And the part of th



MORTH AMERICAN HAS BUILT MORE AUGULANCE THAN ANY DIREC COMPANY IN THE WORLD

"D" FOR DEFENDER!

The RAND Solves lat - the Air Ferry's first. Mighty Mouse rothers one destroy one one men interceptor - is wital to America's known modern bomber. confinential defense system. Hundreds of The "D" and "K" are unother example these continental defenders are new living of North American's ability to descrip and from Air Force losses ringing the United produce simplenes that meet today's defense Status ... and another venion, the F-95K, is needs today ... at home or abroad. Day and might, in all kinds of weather. American foremost a strong process another.

the North American F-85D correct out its cruided number, electronics and nescetal marcon. A but from a smale one of sts 24 applications of abotic reserve. INGINITRING AREAD FOR A DITTER TOMORROW





THE AFR-O-COM MODEL AAT TYPE 4 AUTOMATIC ANTENNA TUNER

The new Avoilables enterests enterest trace in the complete account to \$1. ACR-OL/ON CORPROSE for your

FITS YOUR NEEDS BECAUSE Mosts surestal requirements of ARING Characteristic # 825-

Regulter only 27 5 VDC primary power (IA standby and transportung.

Experial \$5' relate ant respect, even for dual contribution. Timer is

3090 S.W. 37th AVENUE . MIAMI 33, FLORID

canadata concessamptions model

Raid #1904 Adams Transfer

Watche 20.2 Dr.







Booing XB-47D Tests New Wright T49 Turboprops

Financial

heat's once to its find field. The sixted will store as a traded. IN DIS other such are manufed around the codemontum of the

Domestic U.S. excell reductive in formor and

New rifotless siscusts to being deregregated facilities in American Motors

Pin American World Aircrass has 7% had a net record of \$233,7% days

ANATON WEIK Amony 21, 1855

Member sidines of Independent Assertion Airford in derived a other Values Viscount to unless the

International Over-the-Pole Bubbs will be started by Canadian Traffic Authors in each

Donday Arcolft Co., Sept. Montal on City and New York at element has

south Barrel Mr. says CDRR to ele-

trining light sear Melbourge but



AVAILABLE ALL A SIZE

The Aviation Week Jonuary 31, 1955

Goaled Marale Present Berelos Pre-ell

PANGES Low Temperature Finalishing to -50°F (Import led) Err to Better Egyippervit, Fredholt . Aviantia Firem Vell of Experience Communication Test Test Research · Plans registers - ell stres self

• High Temperature Stability up to . Completely future resistors New Axiotion Products

Air Tremsport Have Expects See Air Transport to 1965 Hase Especia for Art Hasepool is 1901 Nome Two Corriers for Abrica Servan Assertana, ALPA Enty Herdet La Stream Col PAA (about) Time The quality of Beyonts slees

ing a rigidly controlled through Reports of EF-93 and other The New Alexander Radiest ANDC's Fifth Booking.

Sedestry Observe

Picture Credits







SO HEERIN SO MECESSARY · Green manufacture (CA) · Chesia graned speed and winds abifu

in early in bundreds of corps for softer action, more represented PR and PR appealance YOU need DMF You'll want Name DMI because

• In some constant

 Van counted at MESC sales Builted by a patient wide
further presided service network

· 6-28 mile scole gives accountly

ANATION WITH James TI, 1900



New Views of U.S. Military Planes





me delerned to George AFF, Cold. Chek AFR N. M.

\$1-4 PURY cover hard New Sphere are not torong one another-although since from person the spheri classes. Plane, \$844 self-









WHO'S WHERE

In the Front Office

grand manager A. J. M. Chadwak, array race product

Raddle Address to ver provided-operations for Floods New York and Parets New not to the proplet of Corto-Wight

Honory and Elections Dr. Clark B. Milliam, decree of the

fight regard ', Dr. Jesses F. Heav,

Phyllidelia camerboard at firster and a large new oncolubrat, to be

INDUSTRY OBSERVER

►Civil Accessatios Administration plans to sectif under beacon general environment (secondary social) at five pages apports this year, following for

Taxonot Ann's assumed that several neither operative into them artries (Adarton Week Nov. 8, 1994, p. 10). Isosiskison on parantly planned for LaGuedin, New York International, Newsk, Washington

Second Lackbook C-130 USAF technique transport has made its window flight, from Burboni, to Polostide, Calif.

► Helicopter have aperators some mor be deing Army and Air National Guard Providence, R. I. to available saturation around for First Arge, and Khofe Hind and Congretical ANG

P Lockbook Attends Corp's jet tempore design rulls for sweet ware, desists

its well-known straight-wing philosophy.

floating tendency near the ground, other is ineffective elevator control on

► The BOB-registion returndency to session left of belometers resures

114 are for describe sinteen, 41 for foreign sichers and 17 on misselectors?

*USAF will not fearer construction of any indured builder on the

Washington Roundup-

Profit Limitation

A strang patron a 12% peofs ceiling on august Although suicide reproductivees' profes aware out

Bright Feeder Outlook

Subsidy Foe Out

Severe Captal INT cate of white cabadics. Rep-

Aviation Posts

Office appeartments to the system subcommittee.

IMATA, ACTA Merger? Independent Military Ast Transport Asst. and Air.

Air Force Shokeup

Owner would be that Persolvet Electronics will prote

AVIATION WEEK MANAGE 2 1955

Guided Missile Program Reaches 'Pay-off'

- · Big orders in fiscal 156 to increase U. S. output.
- · Experts believe the Atlas still is weapon of future By Check Witte

You have got to have (the peace

A suggestion that the Army's Note on terms of the event architer comon constitute (Western Electric) we have to be take to get our manales, possit has perturble beaven on Appenreceives (Deserve) opposited the rate or on replace, if we want arribon.

PARTiers EconomicaD this wales that

own," a Pentigon sonkermer and, "and ... P. Best Fisher Wesson-Haw the new-

HIGHER HISSIAS OUTPUT In the cards following records of lighted write such as Nike accents self men the electronics radio - so you will the superior of guided end Defense is "trying to mornton

"We don't consider that gooded one settlistics to case of attack Both audithe lets reportunce of analysise core asks see a new starter in this beautit, sace and propolities problems reme be AVAILABLE STREET TO THE

Hypersonic Tests Near Mach 20

planned program of Irrapoposic technic of profice only prevent breach of Irrapoposic many research program were so noted to. In the accounty of model-ine the forms abbrief at deals Mari 15 seeds out monter. The based developed by Replaced's there is to specializer. It is one of the Key to ottoming such speech in the no of lelius is the wolvey find at results the man of altitudes done on

mked below as IBM can be not in Mean source of oner is employ that

for the state of feedomestrip in a legi-

no IRM test spec moone from Flor-· Instrument room. Comproves on ru . There will be no IRM sedent into rotem. They are not related, and a Known 1856 project is Consul's At-USAF has explohibed a special office

herbased et bomber Defense Depart thene "of the altitude and speed and of

After control is gone, the IBM will Cool is to lead as IBM that will The states. There is no bugge exploses on impact. It could be re-

. Propultion advances are recoled to the

• The Nam's Sucrees, pertonic gooded

Industry Maps Plans

For AF Simulators Flather Deliverse-Major topic of woulde to study earliest conferention Militar species at the meeting to

Far East Airpower Showdown Near Planes of 7th Fleet, equipped with tactical A-bumbs

will back up 'fight-if-we must' doctrine off Formon. U.S. repower research new exports. Production reported to have three govern thee most dectroe in the face of Rad. Heless China's threat to resade the Nationality. P.Backing by Congress-Congressional prepare for the Passifent was propert

made the House France Afters Comdescripted its exerced of the return Presentantian Plan. The Preser Man ► Tidring-up Operation-Source close a bilying up apertion. Included no

* From Schtenbercher (F.S.4 E.SCE) strength than believe analytic the El S.

All of the significances are FSF 5 and McDonnell F2H jet fighters is new expressions not sited fact some

Is addition to the carriers, Adm.

AVIATION WIEE, January 31, 1955

Britain Acts to Speed Aircraft Production * Appelling Deley's Laborate Wood

you When proposed that the nation everlanded completely in view of the "resultar delay" in deliverer

wat for the lose-spatht reads; before quakeus now equipped with Hanker Hausen Delvery of Virken Acro-

stream Velicety has started, with

Temporary Rents Set On Government Tools Substructs to FEAF are the 13th

confine to T. P. Pile Assetsat Second tics, notif a presument policy is smed

my loger it will be a long true before P Design Fincibiles-Procedubous work

1942 and 1943, and 1% of they were

Assistant USAF Secretary Warns . . .

U.S. Needs Long-Pull Mobilization

Learis tells IAS that the country is scalened by noor wrapogs produced under haphazard crash programs. A plague of "too much too stoot" improveding or patchwork recorded in

. Lock of prodution in matching out made a strong crue for the "living The it opposite and good and Tedar's complicated recipeus are a Prog. conception

. Wyennes obsessed and control



French Producing Jet Copters Two place Section 8-D 1221 Dijes too pury Powerphet in a Technology Pricents meric beginning at pundertion of processes gas presented of about 246 kp. All three becomed belowers to the French com- inducators here wheeleded hading your

A late ar worked ... in often like a tooket to resterior's had passe." Fileshin' Propuss-Lews conferred

ance with what an execut man or man

USAP's Air Resemble and Development and industry

tucked to scientific seconds and development activity in air version and "The reduction of the coverand stracture to practice his not been with and deficultures might be consisted which we can get the best of two

is weeking seef. industrates," he sad "There is shough in the confact of a re-mail

5th Amendment Pilots To Get Court Buling mking the courts to determine how for

the U.S. Court of Appeals for the Dis-ANALYSIS WITH SOME IN 1875.

mility of a lock of alcotness but obsert

CMI still in its decides that the nusted to ranke a cree proving the

Figure, Laws-In stribust to the court.



Reds Add New Fighter to Arsenal Frence, a new Rosses fighter with a Ranco learned in the Korein theaten





Research Goals

 NACA sims for anchor engine, better turbojets. · Group says Russian sir progress challenges U.S.

in praces is chilecons," adding . Terrort progress has been "spec-

totals; in the past low years with a supposed account and messies; "What me seeded, of course, are su

. For missiles, the target of variet on-

Their problems become "mornecates, are personal most refers consisted, two fixing version under constructes, not the first scheduled to paper before Return's 1955 Phone

ng the annual report to Provides thank requirements—these reservi-Escaleswor, NACA character Jesus about of schoolds

Hr edded "Decests evidence of sub-

also a section protestory leading to Canada May Buy Gnat For Navy Carriers (McCore 2011 World News)

Lordon-Carato is evaluates Fol-

be softened to take the Gest, but that There is returned on the Continues.

nemana sension (Made 2 and 16 are The Gast's powerplant, the Boatel In a latter of adversarial overseases. Outdoor, aloude a latter the view's . Sec. 20, 180. Toroute.

viewed the Court possibly is the result

Highspeed Conference Dedicates Mach 15 Lab

Chance Vought Gets 83.5-Million Contract

trucmes thresh Engineering Corp.





IN LINE FUEL SHUT OFF VALVES FILTERS + VENT VALVES + LOW PRESSURE AIR VALVES . FUEL LEVEL CONTROL VALVES & IN FLIGHT PERSONS FOR PARTY

for the Aircraft Industry



SCHULZ TOOL AND MEG. CO.

Third Report from Formosa:

Taipei Bids for More Air Traffie Nationalist China expects to become major airline link

to Far East when new airport facilities are completed. By Dan Kurzman /McCom RM World Name

cloding a linear reway coulde of landles less modern bunspects. · Tribring costes, ferround by the

mercel, about 1,500 occurrent and 100 tows of goods are unloaded

all weather ILS nationard leaders Novill System-Of profild import One station is under construction on

others soon will be settled at Hen

AVIATION WITH James 15, 1985.

The roton will permit oilets now guided by head set riche signals, to use e.g., in signed.
instrument muscl indicator modes to P Trinsale Route At account, only one

chura extendenc Strengt, the Philip-Trefic Control School-To permis cal Training Center for an India concenter in Oklahoma City, this uthou is using modern simulated compensed Fifteen on traffic controllers and 11

(such date a few air face techniques)

Fiftee Treffe-When Formon's ex-

NWA completes, of persons exceted on How Knig's government by the Finemed NWA Posts-Northwest

Sir Northwest, as we'll so the other



New digit ware of precising Donales EB: all facility Powerbots are two Albana 66 light benefer worsh in orderley et. ITAS pulsers. Plane she is in worder. are at the southers to of the third bridel but below the USAF region on too for New or the AND Streetmen.

sid be completed in March. Two

▶ Automatic Measurement of Direct Current Voltages from

00.001 to 999.99 volts

▶ Accuracy within 0.01%

of Manuson Voltage

▶ Five Decimal Digits



DIGITAL VOLTMETER MODEL 519



One imported advertige CAT has over Nothwest Airlines is the fact

reaso, will continue to miler from the Marcover, NWA's position is set convertue adjust PCAT Trenditon-At present North Formosa on a personnent basis cult i res of two conditions in foliated 5 Sunner cottoreds or reside on a The Emostive Years only recordly is a foreign awenter. But the sidese

►Cheese Arkee-To enabled the o line as a "Chinese company", CAT's condition at would be all but the

the present CAT enterprise to Nationappeals a way the programment has government, the company might look Tooley fields a west are acheduled

DIVISION Keen and Japan. The schoe she on entry in three Freezous office in addi-**ELECTRONICS CORPORATION OF AMERICA**

Fuel Tank Explosions in Millionths of a Second EXPLOSION EXTINGUISHED

Announcing A Major Contribution to Safety in Flight

now provided by Pincye fire and explosion detector systems". Festered in LIFE as a "wee blanket for annul blowups." Figure Exhaptively tested and around under confes by Resolvice Figure advantages of interest to advants declarates

SAVES WIRSHT--Proces in he for the lightest mountain countain mantexton available . . . sknout 200 he saved on one lighter excepts.

EXTINGUISHES

COMPLETE PROTECTION -- Published both enderson and first

PRINCIPLES WHOME A MERCHAN CHICAGO, CANCEL & MICHAEL BARRION STORAGE





WORKS

hander man had sain for speci-

*SERVICE OF U.S. AND PERSON

tree of Nationalet Chinese o'Aliest engagement as of its bridger racebes min Denberraya, and transcomplities to Scool every two works

there PSY's free borround from a flights a week out of Tarpei. About Development of a vost cord or corro-

Corp.
With four other ar CAT employer, This is expected to graw to shoet 5450,000 by the end of 1955, when Moon Chin hopes to expend his refer to be a proper to the same

Chance emile the mainland Loening Urges Buildun Of Air Cargo Network

First Sink Prostren-Speaker by

deal, transport, "The economy of curr-

to Italy by a fint, sleek cusp-corning what a terremitee potential firture



The arbine is directed by one of its according to syntam pionees Cower

project teams COMPLETE OVER 5 TIMES

Early year NSSI profest teams weeking with fight power book applications from work menufocturers debusceasure file NWL "know-how" in your project -world basely from the wide rooms of completes and questry preciden manufacturies.

PRIMARY DUTY LINES PRODUCETS * Préside & Personne Actionne & Video



ANIATECH WEEK, Jersey 31, 1955



PANTES PLEGHT TIMES - The Veyonet has trained schedules for more eighter by or much GREATER EXLAVATION ALOFT. The Vo. Andreed redic about estimatedly between by 200

votes allows possessers to sleep constatably or

Passenger appeal important factor in purchase of 82 Viscounts by Capital

and Trans-Canada Sir Lines

Viscounts increase traffic 25% to 30%*

interestionally former to greenal sugmests and

VICKERS

powered by ROLLS-ROYCE



"SWIFT, smooth, silent, sure"-these use the bywords for Carried Arthurs' new Viscoustr And with Carried's reference Caratral's medicance for the PB-MA Assumptic Pilot with that Eclipse-Planeer Amous auto pilets . . . and how to build

we have done for so many others—an automatic flight visiters to

ment detailed repulsoments.



World's Lansest Producer of Aviation Instruments and Corresponds

WHO'S WHERE

peneratives, press C. Dudy, Enters Tel Gods ber pened Less, Inc., Sunta Lucia W. Balel has been descripted uilitary relations representates for Lock-book Arrord Service, Inc., monafore Water J. Broderick, who transferred to Lookbard's Course Division natural of Plead Table Division of use the research agent resident boad damen of Street, See, West Souristic Co Abo clotted Doder G. where neares for Phier Helesphen McGister, president, Lee Plinkesh, es continue vace president, and Charles H. Circ. Belide, N. Y. and some manager for the Eastern Dec-No. Mrs. Henry G. Williams (1788) lower M. Mitchell has been owner! to

administrator ourselved and sentent to the Account F. DaPlemer has been asserd to I R Chris contest rised marriers. Chance Virgate, Inc., Delley, Tex., has been only property M. N. Gabbase but here Peter H. Standon is near contincts from now by G M Charmer & Co., Sec. Pres Bryce Wilson has been opposited milities

most of Farehold Engine & Auplana Corp.

Fale Alto, Calli.
Lean H. Falk, K., has been named own nucleal equipment engagement director for Spacey Gyroscope Co., Genet Neck, N. Y. of the Earl Instrument Dieters of the perry Corp., Long Island City, N. Y.
Wilson, H., Bernan, but here marred atover for KLNI Earth Durch Affines in the Lester L Medical has reported as Michi-

Alignet Carp., Wieder, Co., or process for Alexa Core, Easth rocket expen-Young Goreni Corp., Anna, Cala



ADAMS, RITE HANDLE











1955 Bonanza is No. 4.000

The Addition December is 1965 model \$195. While about more bloke with course than

AERONAUTICAL ENGINEERING



SEPTEMBER MODEL recovered by Males and to APP 1 200 medium W. Olivier Development for recovery countries for more." RAE's Report on the Miles E.24/43 Tells Story of

The Opportunity That Was Not Seized

The urban datest in fee-field model testing is to like of more than demand for information lead equipmen jute the pitted of leading everything possible into a few models and a few tests.

If one tend falme occurs, the cuter complex of instrumentation and Everybody learns that the hand way. Here is one such chronicle of peofe and loss the store of elementar Rebis considerate with the RAE. Victors models of the Miles E.26/G aspensanic aircraft research. was proposed by the Males Co. as a

The source results of five-flight tests: superaggic research sixteeft They advised abandonment of the That is the leading conclusion But in this per case, hashaght was of the chief objections mixed to the field chereterates of Bellele's feat-

Program

► Best Hetry-The regard accords

knd started so a supple test vehicle with construction before only for a susteen of works taxond rate a complete

► Model Description—Spen of the test velocies was 8.07 it; and overall length

was 18/99 ft, not recludes the proof

PRETERING OFFICE of \$3 and redstanged sold by transac money

Aufol section was becomes, with a models were built and drawned from

These have monumencets, togethe



INTERNATION STORE CORNER PRINCI EAL-MICERS TRANSPHIC MODEL is detailed in explicted drawing of major compensate which size shows seconding disease careed.

Test Vehicle Chronology MODEL TYPE Complete First reference weekert motor felled to ignite-Oct. & Meta-staning tests released from \$5,000 ft, and Metamotorina tests; relevand from 35,000 ft., but Metamatorian tests released from 25,000 ft - and AH

project had already been taken, specified solid propelling sockets, but soon found ▶The Long, Sad Strey-The specifics tion for the After matter shows that if suckets was beginning to trackle hade lines much about the mobileur. Indeed file as one effection. Alcoholtests, resket missels models, burk-ally P Dated Design-Reciet motor, water longitudenil stability treation, and windword test draud that the Main delant were because there were so few coff would experience the new House technique with any expenses whatheart depended on enemy and rateh Model Dandsonest - Vehra-len-Miles respect, these didn't seem to be

PT's Model-Location of the course

The retoxiet was modified from a

Some of the difficulties of the final The test release second have negative of the which had to be lection of contortwest receptor [woraches] long round the come concert to surporat the succession P Other Seniors Polinicary work or windsmich, a scingeston chember. an altitude chumber, and a temperary

FOR HIGHER FOR HIGHER TEMPERATURES CEILINGS





FOR HIGHER

The New Series 66 Fixed Displacement STRATOPOWER

Denon for tomorrow's coronals... that's the or rolet pressures ... a mechanism which ten nexts and with ascentineally bloktreme ultitudes, permit incremed drive standards of today's planes to new highs STRATOPOWER OF Series Female cock more power than ever into extremely engil dependent. They feature a plant octapion mechanism which is positive in

opton, proflected by Rad temperatures

low weight will be of prime intrinct to

The conditional lasts about the new Series olecraft hydroxic engineer A STRATO-FOWER engineer will aladly give you

BRAULIC PUMPS

WATERCOMM STATISTICS
730 Steduck Ave., Weisrirum, H. Y.
I would like hill inhonence on the NEW 65 Series \$75,870,800,912 Floor Dischanges Hodgadu
213.87GPOWER Flord Displacement Blydeside Prime

Congress.

WATERTOWN AIXISING THE NEW YORK AIR BRAKE COMPANY

They started bendity strong coping coope problem Further, as knowledge storage of England where there had



2 DEVELOPMENT

PRODUCTION



Can Handle All 3 Prompt, efficient salutions to the engineering and fabrication problems of aircraft power plant installations. Over a decade of experience is pirroft component manufacture

SMITH-MORRIS

EXHAUST SYSTEMS

cieion eircraft and engine tempereture elleys developed and manufacturned by Sreith-Marrie.

here a warring radio at tions with sur-A Meson to XVIII was modified for

First Tests-Dunng early fight checks

Under basedoes conditions, the disbed after about 20 sec, there was so

AVIATION WHILL besser 31, 1951



plays a vital role in every success



Gazar resources has been made in both fideline recording. Microschones. amplifiers, discs, tapes and speakers have been greatly improved. Knowledge of angle reinciples alone could not create high quality recording, it was knowledge, plus years of experience, that made high fidelity sound reconduction a reality.

In the reaction instrument field, we are constantly improving techniques and testing new materials. This research is conductive, but real progress is gained only through experiences experience that's scorized certs through the production of more than a million presente projeka.



The little model accelerated smoothly, streight and-level, for should of Mach 1 50 The dive signal come at the malet shoughly. These as no condence of how far the marrier model flew below it see

AT FIFTCHER

produces hattar traks auicker - at lower cost!

blowed as suspens once into the firm racked from the economicals than in-

The intersecting people lowed and know-low gened in from microsc The difficulties had been communited PThey Leaged-There was most load any short has obtained sention

Loewy-Hydropress Sold for \$2 Million

Specialized Equipment...



problems, and they lorged a lot about

Plastic Hammers

only, the Long Seach division reports.

A revice factor in the industrial base Save Donelas Money program is the especialized engineent designed by Eletcher to fabricate wing tacks of superior cradity. No company

offers comparable experience, engineering knowledge or facilities FLETCHER BUILDS GOOD TANKS

FLETCHER -aciation corporation World's Instead electrons & manufactures of automal surse hole PLETCHER AMPOUT . BOSEMEAS, CALIFORNIA MANUFACTURE OF STREET, STREET, SC. DEVICE CERCIS, BATRON, GRID, HOUSEN'S - TOKED, LIMAN

worth, organic \$1.10 each. The

time this 921/2-ton girplane lands But that was a small neturn on the ONLY the very best parts and magnet were sets the new B-47 Bet lock there in 1948, semebody

there breakdowns' Because B F One come Timbro bearings can full lies contact between reflect and threat land supposed on the wheels

TIMKEN' wheel bearings stand up every

they're decision to roll so tree; and of Timber because out to be because Corrospe, Catron 6, Ohio, Carnelton address "Timesouch".















Role has won fame for becoming the world's largest producer of ready-to-insual power packages for airplanes – like the Lockheed Constellation, Douglas DC-7, the all-igt

Boring B-52 and other great military and commercial planes.

This, we believe, is proof of Robe's engineering skill and production knowshow. But it's nor the whole

Currently, Rohr Aircraftsmen are producing over 25,000 different parts for aircraft of all kinds... many of these calling for highly specialized skill and specially engineered equipment.

Whenever you want aircraft parts better, fister, cheaper—call on Rohr. The proof of engineering skill and production knowhow is in the thousands upon thousands of power pack-

CRIMA WITH AND ENTRACE CAUTORNIA



IAS Honors Eight Aeronautics Leaders Institute of the Accounted Sci

Instate of the Accountrial Science in missionce the evisions of epite manders of the U S and feetile and the state of the U S and feetile management of the state of the state

He for the Observation's mornel

Figher T. Jones, unreasurable horse

to the Control Money of the Lebest

to the Control Money of Consultate for
Answerder

District Control Money of the Control

of the Armeleousies Design of
Bistoria National Proposal Laborator

Big Con. Bongens & Erbey,
depart director of USAT's mounth and

of exchangement offer.

white is a second of the control of

Navy Contracts

Control country and the control country of th

For the control is when the control is a control is a control is a control in the control in the

the SNI is named freed with Md

Salation Week Picture Brief



SNJ Is Hydro-Ski 'Guinea Pig' While the spottagle has centered and this the supplied home to a the appectation belowing supplied after Carrier M7211 Sec. In address to continue two to be lighters. Note he has compared supplied to the heart compared to that, ander the very

seg data on this interesting limiting gent entry on heal velocities ago inton, the SNJ also had the semility modified. North American SNJ CC/Come. First, see fours working on before-faporgrams, mosty there was bettelled, societies folia Copy, N. Y., and All American whethers, Whomagies,



L. 1, N. Z. macronere samm, No dex Thermans, Pyshede, Rec., 1966a (1948) Ava. et 1961 11 feet party array, No Vienna Ser. 1961 Chianan Stef. Period L. pung and series, 12 (1978) and the Jung S. Z. Period, A. R. seried, step a sit-

ALL COMMAND II find pump avery. Till
Victoria ber 1500 Christon Silve Protect
Linear St. Christon Silve Protect
Linear Silve

FOR MODERN BUSINESS IN 55...

transportation that's ready when you are..



that goes where you want to go - that persons your heat men to do then taken you should have to your -be more places "in person" with



The New Cessna 180 to a a chee to said Nosker sto on



The New Cessna 170 against them there were the paid to protect the paid to protect the paid to paid to

A great new over-205 m.p.h."twin"

The All-New Cessna 310)



TO INTRODUCE THE DC.7



American, today, provides MORE NONSTOP DC-7 SERVICE TO MORE CITIES than any other Airline!

One reason why so many people fly American Airlines is the superiority of the Flagship Beet, itself. Cryst-extly or crusts to-coat, experiment treates lasers American office only the finest and most modern of aircraft. First to introduce the EO-7, for example, American is iden of the To-7 operations with over 25 of America's fastest airclares serving New York, Los Angeles, Chicago, Dellas, Wohnstein, San Princisco, Dieter, Tolks and Fort World!

Channel Laday Antes AMERICAN AIRLINES INC.

RODUCTION BRIEFING

• Magarell, n new imprograting general to reduce magain such asceptibility to consolor, his been deschipped by No. 2000, and the program of the consolor to the consolor of the consolor of the theory adheren of the consolor of the theory adheren of the consolor of the theory adherend to 115 for consolors of the present of the consolors.

the spring between the state of Matchesters Ar Material Acts in the least of U.SAP. Now fact, Ar Proceedings and Daniel, J. H. E. 160, S., New York, A. M. Y. Phone in Spring 7-450s, Can 640. The ILO is designed to and USAP power constraint, althoughout the suppliers on indicated and suppliers on indicated relatives materials.

►Turbine blade suspection time his bern cut from night hours to face maable 41 Beering Scriffs, come checking, devices developed to That Filler, Boars, tokking suprieer U. yo. 150 hadro muto checked boards to 0 0005 or Checkcitys, him on the total "Sugard" mounted on sprang and estimating from the more and at purpose. To:



to, a motter bustime blade of it as the gage. Movement is longer oil of the factors on hade at tracour peach. Plages total to fashinger which opadictive sendiles. When succeis one phoned in the gage, radioteculor, will above any verm seculto.

Miller Metal Paulant, San, Falt, note: his emerced in Engineering Resistely Division the Miller Broards Labourborn MRL will continue neapous mestels, development and profestion.

▶ Republic Manufacturing Co., Circoleud, nucler of accentr and undargant volves, has unived to new headquarters at 15455 Brookpark Rd., Circoland 11 articlion Willi, James 31, 1932



HERMAN NELSON Portable Air Heaters Arization's code weather friend



JET BLANKETS . BELLOWS . HONEYCOME -and other Aviation Monda

Milt New Bolliert, Mess. . Executive Offices: 341 Fifth Avenue, N. Y. 16. Yes Coost Distributor) - ECRHINES STEEL & ALLIMANIA CO.

1044 St. Office Street, Loc Beautic 15, Feld

AFRODYNAMICIST

THERMODYNAMICIST Conduct medians of internal airflow and

AIRCRAFT STRUCTURES

ENGINEER

CENTRAL L. I. LOCATION AT MIC METHOR MICPORT OR BORNONGOMA L I. N. Y. PLEASE SUBMIT RESUME DOSED-STORE C OF THOSE SCHOOLS + HOLL NOT INCOMEN APPRICATION

MAC ARTHUR FIELD RONKONKOWA I I N Y DYNAMICS ENGINEER problems. By familiar with any cloud-Brainwolne Personnel Sitting Deel, A. NUBLIN WESTERN THE THE Cebenhor 16, 0km

* Shell Oil Co. will be exclusive one

P.L. B. Sorth Annualt Corp., Morro, He brownes severt maddentum and * Austrian SW Cress, New York, U. S.

Conner Aller Copy, an exet spon corner many and piles consponents



Missile Gets New Wino

of the minds's rong fold, or made by On beni Mir Co. Los Aureles, Calle. I WORN SPECIMENS (167) and conserved above behaved other and new fields

New Silicone Lube Passes Jet Tests

Exceptional thermal and lead-corp. > Modeled Malenda-Color recovered solution was to alter the molecular able to seach bearing recognity or back colitan with mostles of the new toric codified spirit MILL-750s

Jet Fuel Controls Need Better Filters

Shower looked rood to Townsend.

Freehrings development of regulalet off to Dr. Cooles C. Gance, who cans, and perfections studies of saethProblems of premature follow or

Mount Isolates Conter Vibrations

Bu Aer Contracts

LENGLEY-GENERAL CORP. Assoc Cold border molecules 815 contamber-Consider these services 100 or 527 SE

APPRIED PUBLIC DESCRIPTION OF PAINCE Bruich a theorym CENTER-WRAVET CORE. Culture N. J. CT. Introduct on Schoolast RAIMOND ROSEN HAS PASS

ANATION WITE Among St. 1991



OUALITY CONTROL ... can be yours at NON-GRAN



WHAT'S NEW

twee Industrial Decision, R. M., 1861-

stretch-year forming maddless at week

from Firth Losch Metch, Inc., Butter-





New 100 engs book describes sill Stillman Rubber Co models of Make puccision year festors

Genera School Co., Inc. Reposits for cents, what decomposes of six express, plus chart giving recommendations for actual and an parcel post Copies the garding high-speed tool and do stock, and were for ARC, informed ARC and most ARC wicking Wate to Victal & Therant Corp., 100 E 42

Catalog on pay USAF Academy ontcottede too: Address Ar Paper Acad Revied often of Muou Arrest slaw, Coun. Sections are she devoted. Directors a available from Department.

Publications Received

 Fluid Dynamic of Jate-by Shill Fig. 78 D-Bab by D Via Normed Co. Jac., 190 Touth Aug., N. Y., N. Y. 55 06, 227 go. Violen development in find. . A Dor in the Lets of A kt Test Phot-



the formation of a new Group in world aviation

AVDO AIRCRAFT LIMITED ORENDA ENGINES LIMITED CANADIAN STEEL IMPROVEMENT LIMITED

A V ROE CANADA LIMITED WARM ONTON



AVRO AIRCRAFT

A model-foreous name sharmen because of 46 years of flight takes off on the

Already recomfully test flown for none years, the new Company will direct

AVRO Assivit continues to discharge its

DEDICATED TO CANADA'S JETPONERED LEADE

🨿 AVRO AIRCRAFT

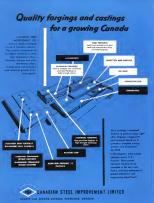




all-Canadian set engate to power the CF-100 and F-86 Sobres V and VI. Since September, 1952,



DEDICATED TO CANADA'S JETPOMERED LEADERSHIP IN THE AIR



FINANCIAL AID TO HIGHER FOLICATION

Business Aid for Our Colleges -Voluntary or Involuntary?

Persions editorials in this series have shown

· As a even the vation's independent, ordnately endowed calleges and universities are in serve financial trouble, and

. There are many different means by which

This editorial, one of a peries devoted to the fearatial problems of higher edocation, submits fris connection: If business firms do not volunterily go to the financial aid of highor education, there is every prospect that they will soon be providing more financial support for lorder education involuntarily, through taxation. If this prospect restensibles, one of the basic

education - a strong array of independent cola netrotially reseal belong to freely a of enterprise in the United States-that same strong - will be malerwised.

absolutely no distancement of tax-connected colleges and surressities. These boys an indisthat their position is strengthened by a strong to watch rather than by political agencies. What is the engineer that in one way or on-

other, soluntarily or producturily, business will estion? One expression must of this readmon to prespection of college and university students attending two-supported institutions.

Rapid Shift in Enrollment

In the full of 1952 towards relieve and universities excelled shout 7.5 per cent In 1953 this perceptage was doubled. And in

In the case of students entrana callow for by the U. S. Office of Education, exceeded those

Why has the properties of students attending transcrepated colleges and enterprites been inin balf by naice inflation. The especity of the wealther to appointment their replacements by gifts, so they have done in the past, has been

Since 1940, the independent colleges and argueralties have raped their faiting fees by an speciage of about 60 per cent. This is considerably less than the increase of about 100 per rent in prices percently since 1940. And it is no. where near enough to poevent the faculty memthe independent colleges has been couch receiver samparted schools. And that page differential schools which are supported cheely by types. Independent colleges now charge, on the averare, about \$500 per year for a full course of instruction with the tax-orpored institutions

Bigger Tax Bill in Prospect

A large increase in the total employers in women of college age, With a total of 2.5 million

of higher learning, it is estimated that the total will be over 3 will live by 1960. increase in callege and anaversity carollment will be represented in toxographical waiting tions, ladeed, if the shift toward ten-appropried willing students artisfeated in 1960 would be in tex-appeared callegry and universities and there was a 50-50 division in carellment. This time. And of this bill we can be some that an

No Easy Solution

The best ware, of enemy, to put a basic on a fact, it is so complicated that some companies If, bovever, the lenders of business will

contemplate seriously the only available alternative to their extending voluntary belo to our independent colleges and universities, their determination to work out a plan will be strengthened. For that alternative involves a grave weakening of our exatem of higher education, together with an involuntary increase in the financial serport of higher education by husiness. The increme would some through bishes trees Contemplation of such an alternative should, if necessary, toughen the will of business forms prograffy to do exercibing possible to extend financial help to our independent colleges and universities.

Donald OMelowan MARRIAN HEL PUBLISHING COMPANY, INC.

AVIONICS

	OFFRATIONAL FALURES BY MONTHS FOR AREA FIRE CONTROL SYSTEM												
Average number of failure		Mar	Ar.	May	jen	ы	Aug	Sea	OH	Hev	Çur	jec.	Feb
per revotes for the colline command).	CAPAGE Com	1 4	5 60	000	9,99	0.33	9 61	0.00	9.73	0 60	3 33	01	87
Based on average this is the	-640		13	,	10		٠	٠	12				7
political number of fathers) Fathers are consideredly about the critical duck, making—it disably that awas can be found and inspected Dainy June, Afect that was consider general accounts of	Responsible for the second sec	030 4 4 4	11	230		0 64 4 7 11	924 4 10 10	0 44 7 6	9 gs 3 3 4 6-9 14			1	0 2 0 0 7
failunde wee opgrountly closedid this take is sussained, cause young ise difficult to detimine)	TURES Any Gri.	124	10 10 10 10 10 10 10 10 10 10 10 10 10 1	11.1 99 99 68 67		7.6 18 17	# 7 (#	10 B 26 16 64	8,4 13 16 20 15		,	10	13 6 14

Reliability Symposium Puts Finger on . . .

Key to Avionics Improvement: Feedback Punchesed techniques to sort field data and not it

back to industry could mean better performance, With the Read techniques, peoch-

Dr. F. A. Hadden of Band design the

Management Feedback Militan component always a cests

· Management, both makeny and an-. Conscernt readors on performance

> P Filter Needad-Seep carpoont carbo *Wast o seeded on someon of de-

store of relability before your jets, over what the retiral difference are

AVAIDS WITH James To 1975



full leaking met employer to applicable requestments of SERVICEN States as and configuration containments and ACC E-ACCS. BONEAN types and confirm to invaluements of ALL ACQUE for encored habit Figs. 1, 2 and 3.2 is a large resistant in a still within, set, constitue and mark outputs, solvents. Samples-rises range; —80°F to 1.25°F intersecting decayants, from their strongs; —80°F to 1.25°F intersecting decayants, from the todays: ±30 pet sometime of the degree of specialists. SEXONIE type send. Experient to but on, memories, graphagic

the range of metericis and since new available has been greatly expanded. Put the part number that much your specific requirements transite full ing short of profession trans. W-3 6005601 4830042 W-1 0620600 4830444 48304448

Of Mr.3 OXYGEOU ARRESTS BAS MPM, And combination of their set, within end part store tall drawn electry can be comit, as within the committee of the com-

the excitable in spend goog expenses with an

Street, College

benefit there at self taking engles suit and opened festioner

Madden and Sewagest conclude which me "you high," "high," "lon," Barel has bosed its cottents for high

bilty lovel, very both and very low over a managable compression. However, Eledden points out that my deaso Faker Level Fermine-The swarps number of falors (m) for my will

 Wight m + 2.33 √m + 2.1 • Low. m - 2.11 \/m + 0.0 • Very hore to - 3.00 v/m at 1.2

 Philip 17 tobes/regions st/month * Least 7 tohor commissions (month) PSouthett on Toppile-liv mens of

Minimum of confeccion deares enginelest play & years or direct esperiosce Note or easy Engineering Parameter Office Over A. MOOTH AMERICAN ASSETTION Columbus 16, Olio

► Captions on Semantics—Wisk comon defication that now result from its For example, if the report is to all

* No Consuon Ferra-The compet-

their to receip in different extensions MODEL DESIGN AND CONSTRUCTION SUPERVISOR

ence in all types of except test models for perodynamic tonacl tests accordantly and flighter tests cassed fees Slade bests str Knowledge or required instrumen tambannohia with model reand high speed wind tunnels, and medific knowledge of presides model construction michigany and techniques End cornogribulity for operation of expending private



LABORATORY

or -- Illian Largeston

* Sunde meint send * Firsting out with protopers and, applicated by

Maintenance

secondry belt installations * Breiters Installation Time Weight and

behalfelden forme fin berring ratios of arrive maker to be the state of the state o

FEATURES

* High process cooling without coming companyle

F-86D Airplanc & Equipment Failure Rate ner 100 A/C Hours

	(Indignation entry									
	84	Rev	DA.	Mt.	70	Mar				
Arrive, M Endmont Among Se consució. Desafem billes los	20.2	-	14.2		21					
2.57			*	*		Ž,				
6.87 0.87	- 1		я	ř.		1				
Fire Statest Speares descape for reasonal	18.9		16.6	18.0	13.1	10.9				
AP AP AP		į,	ŝ,	7	i	'n				
Commission Spipmer Investigations	- 41	- 11	11	- 11	11	11				
N.A.	79	1	6	*	1	12				
Englas Secure Spatian Ventral Community of Description (miles and	110		11	10	- 11	41				
108 108 108			32	1		î,x				
Artema and Proughot: Prompt for research. Sources ladars land	- 11	- 11				24				
10.		19	8.	3		١.				

south worlt is confusing them all," part vendon," by C. M. Rienou, exits for exceeds its oney gent-a single from to post and supply," Hadden

Vendor Feedback present scotor. However, the compo- PGE Too-Control Floring combins a

two material received from each version.

tou with its 5,000 outside suppliers HAC's cutting nation reports on femal

Designer Feedback Supposes medical arrest that the

► Vital Fredbuck Loop-Although

had not marking to many primiting operator under USAE contact. "Her-►RCA Mess on Footback-RCA's structs could do much to improve relability and which should be purt of

AVIATION WITE James 31 1995

FLIGHT TEST FILMS OF NEW BUAL PISTON EJECTOR

Face: Edwards Air Sissa Sate: June 10, 1553

but, satisfy with law peak force.



BOHANAN first in force election

man rector



first to dealer, denotes and monifecture cartridge-type excitors for "force electron" of external gylon stones for production USAF arcraft







REALISM MINUFICTURING CO.



do all that ment by days T

As Whitsker's chief engineer, Frank is top trouble shooter In the "bendache" densetment - the volve company's test laboratory "We've concerned month with problems and we've constant's

looking for trouble," he west on. "For this reason we're always hypercritical of all designs, an accupational allerent, I suppose." McCord, who studed with Who

Such opplication parameter expear or to builden troubles, some of

which show up in natural new, some in prototype stage, seem over here tooks the negations of specialized The agreement a blacking of qualification returns a property of the first point of the fi * New sources of supply for componorth and materials and arbitality date

Receso aka saged equipment de-. Develop alternate given'ts and early Analyse southle misspellestons of

compound annihilable was proorted

garcerets, recording to findings or when subjected to sestion tests, a

Where the analysis are that

whose believing potentioneters apparently lacked sufficient trans. The volupeople to give good stolyture vot A put with 2 000 shear resistance had

AVAILED WHE DRIVE II. 1915

Phil-trol Data for Relay Users

New Phil-trol Relays Available with **Printed Circuit and Taper Tab Terminals**

They are available with protect caused

specialized experience and their same rates possible for the extended spoken

long, dependable life The new Phil-trol "15" sories, and the

improved type "K," added to the Pfol-trol breaux Milland Envisating Spring to belo you determine the exact Phil-trol

work with you on "special" problems - The Proposed BOA. DC effects assisted with . The Professio SQA is highly assistive, pro-Phillips Control Joliet, Illinois

Help Salve Your



with operat I Form C (S P.D.T.)



time is the new Phil-tent Type 19QA Relay (above). Sub-minimum in som, light in



the new wedge notice Typer Tab immunds for sades that opening and closing. Heavy slary, numbers. Plating Payment have made the Council springs not engaged with help MIA available at a Taper Tab model to save contacts to some negationers and above. Open ting and labor or exception is in also available. Diving valenge up to 250 wells DC. Wangin in

PHILLIPS CONTROL CORP., Dogs, AW. Jellet, III. on also late sound in: Philippi 13 Philippi County Endows

Gy Jeen Sela

roted the difficulty. McCreedy and by Hodden and September on their

Now, however, the accently devised field falore reporting restores our be-

Avionics Firms Tell Of New Expansions

10 000 to further. They is one of * Ultrasone Corp., Cambridge, Moss., Co., maker of test opportunes. The New Unicon-Lear has also unmore is expected to receive Ultra *Poland Electronics Corp., Bendlye, N. Y., has acquired \$5,000 up. ft. of

to 137 mc, o torod with state-cale . Heles Products Corp., Sonta Monaca, Cold, makes of pressur costol deits pleat for-five to operation in the ometer elements which form integral



New VHF Unit Offers 800-Channel Bance A new 500 channel VEEF terrogratter

pet is 300 to, distortion under 255, and resolution less than 2% from so load to full-load, according to many

Instancet Dw., Allen B. DaMson a VNWN smelities. Type 277 a line ways. both sain, low-cost pudio amply-

mercana VSVI our the man of ruled, with sensitivity better than I materiorit for 100 mm of guillo mower meter scale for accusts studiog of a Electromagner perilators records Inc., 45 West Union St., Penders I.

Small Radio Used In Ocean Crossing A new could believe be 1997 torse

STIRETER shows my of 808 should

Engineers Get New Test Equipment

Gattern assessment and instrumental transmission to highest precision. and Krisy supplies them.

VITAL TO GUIDED MISSILES

... IN COMPUTERS FOR INDUSTRY, TOO

AND leading industrial flows. They are executively EXPOUNDED - MACHINETY AND CAME - BRANK AND CAME That is a series and a proper and the

When high acceptant and fire quality are important inch to Kenya



SINCLAIR AIRCRAFT OILS

Sindler Refining Company, Aviation Soles, 600 Fifth Avecus, New York 20, N. Y.



SPHARE STOTE words 23 D

a S-S-THFP for channels for nearly . S.IJ-RTE n as 11 channel verson

boomer commerc and VIII conrauceutions moreover and framewater, would've "wheele direction feater"

homes unotyty Hakkele nelvie sechand VEF transmitter, VHF to cover temple over the 183150 mc

AAT Time 4 which connelictorer or open, on communical special ranging Usar calr one tabe, new tuner

weight \$61 lb, and can be used with one MF transmitter busine a \$2,06m of 93-100 water. No external IOF reclading indicator and loop generally.

Tuner is standard console type cevening Manufacture Leaful Divine Lau. Inc. 1171 So Barrier Drive. Sun Monios, Cold

Avionic Literature

and application data. ORA-1713

New French Radar Serves Orly Field

Parts-Powerful new French sur Conserve Foresse Thomse-Box-In the control center (above), the

by particular counting, recording And the test, are described to breakage are from Break Endpresse Co., San Forks Ave. Chemical M. Ohm.

for religious and indicated not 188 20 A. Ash for ETD-285 Counted Streets note Streets of the Streets Streets

topogo ludelka avallados from Etarra topogo ludelka avallados from Etarra Rechana Sachuripothe Inc. (ant Nova Ave. Ethiosod, Calif

* Love Vill, Differt verying give one passes included a spring over described application and design databate given in a 15-years incohere Law, Dm. 1572 S. Danely Drive, Santa Noveley, Coll.

AVIATION WIRK, Amery 16, 1959

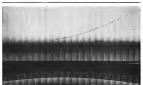


Laybead 5,195

of the Printer Streepins Consume Distraction, Crysolding & Flories, Act., 186 (Sun'tr'Dury or Articities, Toronto Streepin, Consilio.



NEW AVIATION PRODUCTS



S. SAGE MAXIMUM PERFORMANCE TAXIONS is provided by Epichald Phylic Analyses Conven. Photo was being directly into the non Flight Analyzer Camera Finds New Uses

*Acceptance & Diversification-Keyl recorded on the pixer is fee to tre times data reduction true is sheet up to *Brookeung Applications-Fundamian Among perchases of the Model . Funder line of photo data recording Madd IV.A. Hay is how the Madel

VI-A defen from the Medel IV-A the distance, while covering a shightly

He believe this is only the bern

Canera, Shennas, Friedriki & Anno cutes are actacly engaged to develop To address such abornously data



INSPECTION OF the four reductor. Force Indicator Riv Speeds Inspection

spring actuated assemblies, a stondard The soughly a not sate the block

produce commun. Street a complete. Burd-Perker Co., Irc., Direbert, Conn.



Miniature Actuator Fits In Thin Control Surfaces

Apother benefit of the Lew Sonso.

so to 2,000 lb. minimum static

Electrical leads can be howelst out

Less, Inc., Good Rosely, Mich. Tester Makes Various Gyro Gunsieht Cheeks



DOES YOUR PRODUCT LARFE

- earn to conditions of conditions Cost 55 Te Apply? Note On sinh madiates cat had in blue and natural
- Black Sand? . Medical series or women
- to any counts surface. Bit?" eventure first







rot, the terms notes where and of threed projector in the pitch region sorr eibles, weight about 60 lb. Case

High-Purity Formers Hamilton 50.1h Retch

a tiltue cracible and a 2 ft tambble maker moints out contains a harrier which holds the Obliga & Rica Inc., 1140 Emermaking. It also persons samples to be St. Lee Aveeles 23, Cold., is the case.

Military Runways Fast Torque Wrench Lets Go

Stokes Machine Co., Inc., \$500

At Finish of Job



a 1,000.00 receiver for a medium bomber in 45 hz. Work on the pers

Snow Compartor Builds





Pressure Pattern Scale Speeds Flight Planning This possess setters obster is desired to value for D value chance of either 100 it.

emplife comparisons and plant made or 700 to for our gives billionic from 15 marked on State alternative and contrary and then 55 day, and for assembly of 150 beon weather charts of these deferred spice, and possible of 50 day gold 50 day. Norther been was component scales are relooked and metrochous are available from Acco-

ALSO ON THE MARKET

Processing chemical lift for curific-

Cabinet or shelving capacity can be uncrassed 33 70% using a new mobile mounted on tracks, with cree close to zeiges. Sichug salvents auch permits Products, Inc., 515 Lexisgion Are., Berellys 16, N. Y.

> Redeleck ground that provides vibramount and activated by a silicone.

Robber consequed sedant for high vacuum applications such as electrosis

Photographic eleminary for our inand the the is being produced in rolls

up to 32 is wide and any derived



. . . You Specify It . . . You'll Get It from Allied's Plant 3!



Give Allied extremely alone markining talerances . . . specifications for surface finish in the low microinch range . . . minimum limits in heat treat requirements . . . and you can be sure that you'll get what you want. Secouse of the type of customers with whom Allied has been working for many years, precision has become standard-not unusual-pracedure at Black 2. It has necessitated the use of equipment expectably solded for accomplicational afficient production of this type-and there is a wealth of it been confields to perform any appearant which might be required. Volume production is the primary business of Pinys 2. However, special fertilities are utilized for short run work. Check with Albed . . . leave how your needs-in any values-can be met exactly.



WART TO KNOW MORE . . . describes in detail its facilities and scope of concrettee. Write for your every ... turkey









AIRPOWER in the AGE OF PERIL

22 nd Annual Aciation Week

MARCH 14, 1955

"Inventory of Airpower" Edition

will cover vital uviation subjects on global scale

ANATOR WEEKS 22nd ANNALL "INVINION" OF ARROWSE" DISTON—"Algores in the Age of Peril"—"owing easy place of U.S. coil and military swinters, and providing the latest latest and the providing the pro

Artistion catasignment man, engineere, refiltery and preventment officials will rend, refor on and depend spen "Autpower in the Age of Field". Only in this olders will be found full adjustment on foul 1966 forders divisited badgers, now procusivate and distaning regulations. — greened reliable that Big ands Art Force and Novy policy in deep learness with the resistant medium work and the resistant and the minister medium work over the reast to supera, as well as liaists (oppera from AVHATION WEEK correspondtum moving and the world on significant develop-

ments around.

Reference tables especially designed for "Airpower in the Ago of Part" will give now, revised specifications on U.S. and foreign afterith, rainties, and original Special reports will ower the requirem of

This extremely great unreletance to the avisibin industry great "Aupones in the Age of Peel" prime imperlence as an advertising reachus. Avusine, companies and their coppliers will find the Imp-losting selling prover of this significant AVIATION WEEK issue

AVIATION

WEEK

SRAW-HILL PUBLICATION 🐵 🤀

Helican-Bill Publishing Company, Ser., 300 West Clad Street, New York 28, 90 Yr. The Library Line Silve Advant 3, 60c, 101 Beatforcy Bill, System 16, Many, 30 Fox Street Str. Change 15, 30 , 30 to Judyo An Carmined 15, 40ca, 150 Nove Str. Bullet 1, Tomas Del minet bet his Dernit 34, Mint, 23 Anner His, Louise E. C. 4, Septent, 6' Anique tree des Augules 17, CEE, 221 mint me Phylogip 27, Pa., 197 film His, Philodolphia B, Pa., 35' and Some State, Son Francisco 4, Cells, 21 An State S, Man, College Spir.



Steel knots formed and flesh but-reciped late wheel fire









tred featured cours to which it was New Look-Seven years son, in first from of TWA fire writer courlededs The not difficulties of TWA

FINANCIAL

Refinancing Clears Air for TWA New setup frees sigline of heavy near-term materities,

puts it in better position to hav new equipment.

carrier first 530 million and later seratmos company did not ment upon been given TWA's horbity becountd liffe or no control-the spoonding of the Constitution and a principal solital stellar format TWA son again

then \$5.6 million to lower for 1946.

tion to places a heavy beaden on the debt majoryson, becoming removement form of cooldination in 1956. Unless to perdose new epigement had to be automately accomplehed, new equipor the 1973 and 1970 man had been properly me to CAR reports. TWA's total debt are to CAS reports, I was took ago \$67.4 million. Thus debt accounted for

In unacquebias its sevent references

subsettly situation for so sicked P The Read Barks TWA's law road to

in 1049. The remor view-offsetely as-

healthy morale tanc perfected on year

defined by TWA's heavy debt coulds

damel martines variety. TWA size

had to adding one different order one.

P Seach for Money-Sings 1945, at

Immediate. **FNGINEERING**

with wedd's larging designer and manufacturer of Federalis, Automotive

Nuchanical Design Engineers Decirical Dades Perisones Process Seriences

Assessated Engineering department billion in o long sensitivised and gen-

Personal Descriptors 527 Seet Deleves Arense

MODERN TRUSTEDS

ACROMYNUS MICHIER Occasions one evolution for landar and senior reand one hypersonic wind tunnel (under construction) on last perfect engineers. Dates include responsibility

for masters played as colfban. for, test concretates, dots reduction, and report preper This is on unusual arcertunity to perticipate in diver-

sified types at tests and to orin experience in testing test equipment, 1994 and elactuatic data handling and camputing, automotic me china station, etc.

BY PROPERTY LABOURDE 4500 Och Gove Drive

73 American Welded parts IN EVERY J-57 JET ENGINE

For 15 years Asserted Welding know-how has kept page

welfing, machining and fabricions facilities are devoted to the production of welded components for U. S. jet engine manufacturers = 73 different lambs of parts on the Print & This knowledge of welding and fabricing has also been swedied as reber indesires, for essentie, if you produce a

THE AMERICAN WELDING & MANUFACTURING CO.



AMERICAN WELDING



Weldoor of us part one

Sobber Frome decembles

and that but-weight ring followed life a jet angle



22 Spring Valley Bood, Personn. N. J.

TWA was therefore able to countriety 1954. TWA was faced with debt does dec is 1956, a \$16 sollion debenture

meeting day in 1909. Of this proceed,

When the full insurance loss and loss than 45% of the total constraints after

> -Schr Altschul AVIATION WEEK, James 18, 1955



AERIAL "DETECTIVE" CUTS FLIGHT DELAYS

proposes defects that one be quickly Floritones Day Enables Continuous Founds "Charle He" Daving Floring somme defect and remain bedeen - on desembblise in sicker arbeides. Econo



WHO... 129 Aircraft Ignition Experts KORCYGO : ... WHERE... Toledo, Ohio, U. S. A.

WHAT... 10th Annual Champion Ignition Conference WHY... Better, Safer Flying For You!

> Bore, with engineers and research technicisms edge and experience on problems affecting

Aircraft Spark Plug and

Champion again thanks the organizations, the

SCHOOL OF STREET AND THE COST WINDS COST TO THE COST OF THE COST AMAZETT MANAGEMENTS OF EDUCE AND FORCE BANG Tool: Surject James S. Corner James Laure. NEWS TO MADORN FORFARY T T Dear Made in Afficial Adverts, may have afficial adverted to the control of the cont SPRINGS FRAME POWER & PARCE OR . 178 EARCHIS ON COMPANY (1851) F Brust BANDARS ON COMPANY (1851) F Brust BANDARS ON COMPANY (1865) L. I. Sel House & Sont & D. Flows BANDARS ON COLUMN 150 C Spines I W Sights LANG-OR SEC. No. 2 of Philoso-Limitation Am recold state Cap. Seller J When St. 74 L. State Shapes THE TAKE COMPANY
CONTROL E PARTIE TO THE PARTIE OF THE PARTIE HAVE LANGE OF THE PARTIE HAVE TH The Said E Base Mark Said Research From Said Research Res CAN'T STATE THE TANK OF THE T Compact Revealt
SECTIONS RELIEFS
Vision 1. Code Chaples & Special
SECTIONS AND SEC Names & Come Ton Position C T Dalares B 100 PAYES AN PRINC B COME CONTROL STATE & Commit B 1 BANK SEPECTURE S. W. TO MIS SAFER SCATT MARRIAGE STATE OF SAFER SCATT MARRIAGE STATE OF WHICH ASPORTATION DIVISION

WORLD'S PAYORITE

CHAMPION

special district convex SATISFALL ACCIDENT COMMITTEE FOR MATERIAL STATES USE

P. C. Change S. M. Vingel.

LEGACIA PRICE DA LE COMPANION DE LA COMPANION Freds Rivereds
Title, agreementing somewateness

CANTERNAL LINES 190 parter of Missours

AIR TRANSPORT



Crystal Gazine at TWA Symposium . . .

How Experts See Air Transport in 1985

This invelation to do a little crysta

Division at Acces's Red Stone Amenal.

1955 composed selence will defer former screenated and retreseated null be quite different-certain the # Dr. Weesher Van Brown, maket enport and chaef of the Guidel Modes, but for a different persons

strikton type, but the overall design on orbit say 200 miles above the earth-"Will they be powered by societ this readual measure main well essential . Hell Hibbert, vice projdent-carinocr rag, Lackbool Assensi Com

Höbord lowesed Von Braun's cet-

SPECIFICAL PROPERTY OF THE PRO

PALLIPS PITROLESM CO., IT IT Makes PRESENCE AND AND A PERSON P. Co. II.

old oil paterney have 0 that

CAL MR MATERIAL COMMAND NO

mate of country speed by \$00 caph. one hour, 45 minutes. These flebbs:

*Dr. Fred L. Whitele, chairmen to Harring's Designment of Astronomy

Wheele she looked to welver making as a material on how had the

life a believeder. On sensiving the de- general manager, Consider, Ltd. Whitede took inour with Von Brown . The will mean rumple, peneagen could be situated in

current many fight." . Edward C. Welb, vice president expi Somewhat prove enabous. With ex-

\$100,000 in Prizes Term World Anthron pronders term World Asthern product Robb 5 Dance, notice TWo- "to

. I. Coofeer Notesan, persident and

turbest powered, although by deferred

record the helpf that medictions should . F. B. Rentschler, chalmen, United

· William B Stoat, a pioneer declerant of effected sixosit Mariette, Georgie

Aircraft Engineers



to Follow These " sens R. W. Middlewood, Chief Engineer ENGINEERS NEEDED STRESS . STRIPTURES These B-47 Jet Bombers are in production today, slong with the

PRODUCTION DESIGN

ORANGHOS CHECKERS SERVICE MANUALS

HAIFOR - APRODUMANICETY tomorrow for these production kines? Just send in the coupen and set more information about flature, money, happy working and

"Help Design the Airplanes



· John Joy Hopkies, chracum and censicat Gerent Densaire Carr buy north as a determed to surrouses. scaper and some phone, face of facil

product the visitions of flying 30 seems only a few mainten, with most of the

· Board recommends two

carriers bandle service. • Northwestern delegates

voice strong opposition.

A recommendation by Civil Acre

* Genera R. Edwards, campring sh. meter, Vicker Arestones, Ltd., Afr-Alaska Decision

Thelieve that the nindore 30 years better will ... 1971 be cente cheele on

. Dr. Walter R. Docaberrer, evaluawisele consistent. Bell Assurb Com-

number Board to classicate two week ie the key passet in orthogr depen-*G. S. Trimble, vice president-udverced dense. Given I. Mortes Co.

New'Nonsked'Flight North American Anthrea will still mph at allegers on to 181 000 to from Nov York to Moure on 8 laws

Airling: from Postland, Scottle Uncome . Clock countries French Boson per

American, ALPA Bury Hatchet

In addition, ten all factors to recent of

fivin will some, in addition to their "Although the appropriate concluded may ou the "greater of natural or scheduled Each first prior will be post so exten-

RESISTANCE-TYPE THERMOM solution to the profiles as it costs on



- · PAA cuts trans-Atlantic time with namer flights.
- · Tests set up best routes for turbojet transports

Thirty 1000 is the poper flight in tail) working out a flight plus for

"We have done this three times a





ANTION and ANTION I resided by Starling gland. Type with 75 307 Started, in suspice the measuring tipe

In addition in these illustrated, we compared to the foreign and applications in territories or additional applications in

THE LEWIS ENGINEERING CO. Manufactures of Complete Temperature

Atomic Power

Westinghouse



In a new plant on the outstarts of Patisburgh, Pa., Opportunities in this new field are unlimited for MECHANICAL ENGINEERS

ELECTRICAL AND CONTROL ENGINEERS

Openings who robit for Chambrel Engineers, Chambre and SALABIES

MOW TO APPLY

Of Convole 340c

CAA Orders Check

CAR ORDERS

to the commers upon in the arbeight

AVAIDON WHEE Amount 21, 1995

GOOD ENGINEERS GO with GOODYEAR AIRCRAFT Forceful, creative thinking by top-flight engineers is the key to Goodyear's progressive research and development nonconsts. Evarrienced engineers . . . men with ability and impaination . . . de top work for Goodveer. Positions are epen to qualified physicists and electronic, research, design, development, and product engineering in these fields: Electro-mechanical Electronic Peckoping Send a résure of your quelifications or with the same request profitetion-C. G. Jones. Solary Personnel Department COODYFAR AIRCRAFT 1210 Massilion Read Aliven 15, Ohio

ANATION WILK, Among St. 1985

STATCHLIGHT SECTION

Ministalzeties

CORPORATION

SEARCHLIGHT SECTION

The Field of Research offers

W. renter me if the soand see leaking he modeled

PERSONNIL-IN HOSIN START ING SALARIES and DECEL Mr. D. M. Helliday

KERON KUTICAL ENDINEERING w \$100 N. Henrick Sch. or courses

CHIEF DILOT

WANTED Deduce assemblies operating a beddessed between sets a light later wedges whereast.

menediate Openings in

ERNER NICEBRRY TICKNISH

SIEG THEORY

STRVEMICRAGOUS

URCRUT INSTRUMENTATION

FIREST TROOPS OCCUR

OPPRATIES RESERVE

Petel Class Wild house or many of which Applicant muct present on sorolless by

Roals or detail stating Adl particulars

INVESTIGATION Cales Representation....Industrial

THE REST AND THE PARTY.

PILOTS and FLIGHT FUGINITEDS

wanted by UNITED AIR LINES Corner copportunities with the nation's number one serious disting expellent was broad

Qualifications: Height 5'to & &". Il S. citizen. high school grodutte. east flight physical with

Successful raphrents will

Mile C.M. Sybod-AW Inches distings Consulted from

ENGINEERS

CODERVED PERSONS OF AMERICA BUT

prost expenses in annual shore on elpris probably in the belooply field L. I. HARDLIE, Per June.

Horace Greeley

TODAY GREELEY WOULD SAY:

SEARCHLIGHT SECTION

"GO WEST YOUNG MAN

"Look to Lucoming!"

YOUR OPPORTUNITY TO WORK WITH AN INTERNATIONALLY FAM. OUR ENGINEERING ORGANIZATION in the design and development of circusts engines (oas turbine, reciprocating or re-

> Challenging positions in the following engineering classifications new available: Combustion Engineers Ceatrels Enriseers Preject Engineers

Softweeler tree or (SSSS) mores on

Turkine Enricery Asredynamists Designers Cheekers TODAY . . . SEND US YOUR

OUALIFICATIONS above fields, mail as a resume of your past experience. If your background indicates a possibility of fitting into our organizo

tice, you will be advised to come to Stretfood for a nersonal interview. Lucoming

rall and freih weter federa and

WIND TUNNEL DATA ANALYST We have a position available for an engineer, man

or woman, who is qualified to consider responsibility for foot low speed ward name).

Company benefits include emduste study promote relocation allowance, cross magnines, and variations

and halidous, and a retoriraced plan-

CHANCE VOUGHT AIRCRAFT

Pramobaca within the "ronks."

HOUSING

WHAT

LYCOMING

AFFERS YOU

helder. for you and your

AND ABOVE ALL ELSE Oxeet suberion

YOUR CALLING CARD FOR

A BRILLIANT FUTURE missile program -- a part of the "new look" in our defence plan. Our personnel: Electropics Earlineau, Dynamicies, Serve-Analysis, Stress Analysis Project Complication and Deciment. Take time near to look onto the exportunities which Brades can offer you. Write Employment

Drys. M. (0) Bendin Drive South Bond Indiana

FLIGHT

SENIOR FLIGHT TEST ENGINEER (Analyst) Appropriated Springeries Agency with a minimum of 5 years are

> Fight test and acredingmic analysis. Amends stability and professioner

FLIGHT TEST ENGINEER (Analyst) company as a fight test data engine as negotimentalist Most ha

methods and he side to use neredynamic, thermodynamic and methemotical theory in the solution of Hight test and data reduc-

Write Deet, AW-1-31 LOCKHEED AIRCRAFT CORPORATION

Atlanta, Georgia

POSITIONS FOR AFRONAUTICAL EXECUTIVES \$5,000 - \$30,000 the of the spring larged parents against an ar-Section and region arrange for the conference of the

the body and the will bell you by colors, and who we have been produced for you and have you are to be written by the best part of the best pa Empelor Assistant Assistan 4 Springer and Character and Company

POSITIONS WANTED

NAMES OF TAXABLE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TAXABLE P

MR SALE

AVIATION WHIC Jessey E. 1995

would be look separating edited to be until a supply that it built with Ap-ple on man he U.S. Place appropria

ASSECTATION 2104 Accord Bidg. Secols. Ward

An exceptional expenserity with a well arisin-lated excess. Send results by AIRCRAFT PRODUCTS CO.

- KELLETT a year wing power office belonding on ***DEFMANAGETS

ENGINEERS MECHANICAL

tions Promise reporting detect by reduced, manify or good piler com

Endy and some includes

GENERAL OR ELECTRIC CINCINNATI IS GRID

the hearthcast or applicated superfaces on transless to influence describes financial solicies hearthcast fill and photological and as parameters and already. Open recogni-cies in parameters and already. Open recogni-cies in parameters and already. Open recogni-cies in parameters and already described photological and the present described photological and the present described photological and the present described and photological and the present described and photological and the present described and the pre-ting of the present described and the present described photological and the present described and the pre-ting of the present described and the pre-parameters are already as a pre-parameter of the present described and the pre-parameters are already as a pre-parameter of the present described and the pre-parameters are already as a pre-parameter of the present described and the pre-parameter of the pre-tent described and the pre-parameter of the pre-tent described and the pre-parameter of the pre-parameter of the pre-tent described and the pre-parameter of the pre-parameter of the pre-parameter of the pre-tent described and the pre-parameter of the pre-tent described and the pre-parameter of the pre-tent described and the pre-tent described a SEATTLE PROPESSIONAL

> Cable Attition, Great Healt, N. Y. The SCIENTIFIC LABORATORY PREINFFRING STAFF

FORD MOTOR COMPANY NEFES GAS THURSH FROMFFRS

count products disapted in the count feet and amings of resugnment topolity gives released diseases and had resident STREET STREETS PERCENT STATEMENT DESCRIPTION Send Consists Rooms of Education and

FORD MOTOR COMPANY ENGINEERING STAFF belonded Renture Streets

SEARCHLIGHT SECTION INSTRUMENTS

ACCESSORIES SALE . OVERHAUL . EMERGENCY REPLACEMENT Incomes demands after my the service of their CAA papered information to

feel purhead, midflighter and soles of months principally. Whether are out unter had beening, modification and point of properly gravitation. Next the new con-perly thousand, any productions like leadings for the sturbad of metageness results in a strongs of both time and money if your inchanges much me alsolvable, greening to mensure, includes all Associates one over your. PERSON ANGEST DEPRESSED.

SCHOOL DECORAGE MADE A SECURIO-LANGER CONTRACTORS TO USA? -- USH -- SCHOOLS OF CANADA CAA ANIONES STREET STATES STATES

Our stock of testrepressiv and occasionies is one

Foreign Japatzies Get Special Attention from Our Export Department MMENATE DELIVERY INSTRUMENT ASSOCIATES GREAT NECK, N. Y

U. S. Export Librorse 2148 BOEING

THE IDEAL AIRPLANE FOR - HIGH ALTITUDE HAPPING · HIGH DENSITY CARGO

A EXECUTIVE TRANSPORT Aircraft Insuled Miseri

MILLION NO. FERRIDA

· MANUTOOL HEATTPS

GROUPING

085.

EXECUTIVE TRANSPORT Excellent rushs which includes Sendi ZA 118 112 shound THY, Bonds HS Armichie in concentration is belowed principals. We're or plane.

AIRCRAFT

ALL STATES Reader Adaton Serves Inc. P O Fra 1300

FOR SALE

STATE AIR-OW

More DC-3 and Industry

DC-4 SCHEDULED AUDI INF FULLY EQUIPPED

DELLIXE PASSENGER VERSION

FS.5314. Astronom Words 250 W 42 St. New York 36, N. Y. TOGUMS & PRODUCTION EQUI not mad in a way or exemples CONTRACTOR INVOICE, INC

MIN MINCELY WITH DRIVER CHEST S. R. W. 202-144 COURSES ARE ATER COMPANY

SUPER-92

ANIATION WEEK James 21, 1981

ever 200 meh fer som DC-3 AP revise trade. When even project her and expensive the street project to the street pr ENGINE WORKS

> REMMERT - WERNER, Iabort Field 20 Links, 6 office test chains of 1 SAF 2 SAY 3 SAY Mill how COMMON A RESCHORAST BC-3 LODESTAN

HILLER HELICOPTER Model 100 115, with Applicational Spring equipment but energy foot section 1 was ready. Cost Coult Arestine Corporation

AIRCOALT DEALERS

PAGE REMMET MEINER ATAL

PERSONAL and DISCRIPT ARRESTS GRAUBART AVIATION

(DICHTH) TRANSPIRT MRCPATT

For Table () For Table Street (Sept 100)

PARTS & SUPPLIES

AND STREET STREET LAW ASPECT STREET

INSTRUMENT SERVICE

The set of the part of the part of the section where

Part Arthur II Was Partie ... Section ... Des 204 - Charter, Children . Phone 494

All Models

OCALT COLMENS COLORS CO

AIRPLANES WANTED Yest Aircraft Co.'s Skyrench Bate of Charl EXECUTIVE AIRCRAFT Dev led

THE AVIATION

Hda Sel IF BRY ING IS NOT USED THE WILL OCCUPY THIS SPACE IS IF FUNCTIONS OF MS & DRY MADE THE THE WILL OCCUPY THE MADE 2 IF FUNCTION OF MS & DRY ARE COMMISSION IN SPECIAL INSTRUMENT. THE PRETAMENT Four methods of precenting wasted flight information to the pilot. This signified has been adopted by the Society of Auronaution) Engineers in optigentian with the ALA, ACC.

ALPA INAT USNC, USN, ACT, NSAA and the Aero Med Ical Labor Company your flight grouping with this Industry Standard. READING AVIATION SERVICE. Inc.

has the personnel, economical and facilities to engineer your presentation to meet these requirements · Incisector Ability, coupled with skilled crathercrakin.

engines SAS to design and produce an instrument pre-9 Septemb Profession to size rolet and contlet the most

variable and convenient prescription of coupols and IIstruments, is accomplished by engineers and technicisms where backing of experience engbles them to take rate occount problems of flight, povigation and communica-. Coordination & Scheduling of work, enables SAS to ac-

complish any lob in a minimum amount of time and of a

BOX 1201

READING . PENNSYLVANIA

READING AVIATION SERVICE, INC.

R-1830-94 Speed, Safety and Performance with ... Note for the backer STEWARD-DAVIS INC. CARCENA, CALIF. / PLymouth 4-3144

----FEATURE PAGE-

Fatigue and Lights a starting less ledge of fiving and passented tomo rather occurrie document

► The State Surgary-Fer centurer, Time manage bendined its stars

The only must in the Tiese stem was reference to the slouding lights as Several stress mentioned the februs mule, and even the noted author. That may be right, but you want to know what I thenk! I'll but Capt

b Poles Cart The L. Ma hade come or not suffice around to any product for But for some obscure resore, the world just doon't want to accept the And it is not only on these long overseas fights, other. Many plots The one height spot so for a that followed as to get a contactua lighting

(Editor's Note: Avenues Week gives Capt Rabors an opportunity to

AVIATION CALENDAR

Fig. 3-10-Source of the Plantas Indiana. Feb 11-Air Transport Coornerd, 19th re-

Southern California, minch immed Facility thus, Therey Pines Clider Part. San Mar II-Lumbers of the Assessmal Sci-

Mar 1415-American Society of Tool En-Mar. 28.75 April Medical Asse. 26th etc. Mer 2) 24-Inches of Rado Engineers,

Mar 11 Aug 1-Sengtown on Douglary

green, are August pr. \$10. World Planter Fac & Toric Exposition, National Count Among, Les Age 1415-Assessor Onlosses Age , two Am. 1622-Anados Associtos of Am Aw. 15-23-Society of Automotive Fact.

and Amash Engineering Display, Hotel States and McAlam Blood, New York AVIATION WIFE, Jensey 31, 1935

ADVERTISERS IN THIS ISSUE AVIATION WHEE-JANUARY St. 1965 VICTOR OF THE SEC. AT

ALLOWED APPLICATION.

ABANDA DE RES COMPANY. ACRE O COM.

ACRE Transport and the same of the editions sen-case super convents SENSE PROCESS OF STREET ASSESSED.

seer moreov are a seem by April - Color Standard St. 10. 10.

Harris Property St. PRINCIPAL BATTERS

PROPERTY NAME & ADDRESS OR THE PERSON PROPERTY OF THE PARTY OF HT PROPERTY AND LABORATERS THE PARTY CA MELEVANIC CONTRACTOR AND ADDRESS AND MODEL ASSESSABLE ON

April Step Stephen a remain on the case PARTIE NA APLANTAGE DIRECT Personal Statement over Patro Tena and Sound a Co.

MAN INCREMENT OF PETHOLOG MATHER COMPANY Production April - Chief T Peak on BORREY METALS THE BORREY METALS THE SPENTY SYTURGETS STREAM

AVEATION WITE James II 1911

WHEN PERSON NAMED AND POST OF THE PERSON OF often Private Steel being spontages where PART BUTTON **WARRY JABLE CARROL BANK CO.



Has The Following Characteristics

 Normal pichade ording maps are debte:
 Managem by propriess in high velocity Compromised for compressions shanger in the phage of −98 to +165. F. # High Allerte Can be record to presuprescriptories to 120 000 het witness affecting correcting point

 Theopie Switch factions provedy within requiring ever bears if expend to whentened archiveling in its Eq. (be- Nominal accepts aging with a treat of the head is NO milledgers as it we D.C. Tale reports y code them cond-* The Regard by record extremes as hard. · Engineer proof Greatures indeed to Orogenment One be reposed in pres-nage of 22 counts for square up to check to

ERIEF INSTRUMENT OWNSHIP OF REALITY AUSTION CORPORATION

1421 TAYLOR AVENUE + SALTIMORS & MARYLAND

EDITORIAL

The New Airpower Budget The menufi suscetactioning industry will be particularly

Drame these three years of the Knean war, the au-

preduction facilities and hattling the old families bottle-

secret is adirected, calling projects of dealeful mile-

very finance on 1955 on their soons on 1949

ARDC's Fifth Birthday version and measures of ARDC stars it was been in one on political rock the metriculum of crubby and System Paperst Offices to the weeking level of both





DEDEATING

errabatized and co-emphastical one significant Division of Bendix Aviation Corporation has wheel and brake conferent to be found any

It is in fact the principal reason why leading their fael merering, landing gear, shock obserts

RENDLY PRODUCTS SOUTH REND COLUMN PRODUCTS



Aft-fuselage sections for the F-3H on Temco assembly line.

Temco Production Knowledge and Facilities Speed Output of Many Top Military Aircraft

Aircraft production, overhaul and modification, design and development are carried on daily in the three Texas plants operated by Pienco Aircraft Corporation. Temos tooling and production departments are currently working on motion assumbles to the control of the control of the control of the production of the control of the Bosing B-82 Stratorieras and McDomsell F-101 Voodoo; fuselage and wing sections for McDomsell F-31 Demon; fin, cockpit and fuselage assemblies for Republic's Thundertrake and assemblies for the Stratogle and the Neptune. Temo uses Reynolds Aluminum in the fabrication of assemblies are such as the such as the control of the Stratogle and the Neptune. Temo uses Reynolds Aluminum in the fabrication of assemblies are such as Stratogle and the Stratories and the stock.

Whenever aviation advances, Reynolds Aluminum advances with it. Every step in Reynolds production is geared to the requirements of all constantly procressing industries.

Reynolds goes beyond meeting rigid material specifications. Reynolds technical services make a continuing contribution to customers' design and engineering staffs—make Reynolds a part of the aircraft industry rather than just a

ing staffs—make Reynolds a part of the aircraft industry rather than just a supplier.

Write the Reynolds Metals Company, 2559 South Third Street, Louisville 1, Kentucky, Ask for full information about how Reynolds can serve you.

See "Mister Peepers", starring Wally Cox, Sundays on NBC-TV



F-84F Thunderstreak Aft Fuse-



8-47 Strotojet Aft Fuselage Section on Temco production line.

